MAT-8675US



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. No:

To Be Assigned

Applicant:

Yuichiro Sasaki, et al.

Filed:

Herewith

Title:

IMPURITY INTRODUCING METHOD, APPARATUS USED

FOR THE METHOD AND COMPONENT DEVICES

TC/A.U.:

To Be Assigned

Examiner:

To Be Assigned

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO 1449 (RP) submitted herewith. A copy of the references listed on the 1449 form is enclosed.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

The following Japanese references are not in the English language:

- 1) 09-007962
- 2) 08-172214
- 3) 09-283456
- 4) 11-204450
- 5) 10-135244

References 1) - 5) include an English language abstract.

PATENT

DTO1 Rec'd PCT/PTC 0.7 MAR 2005

References 1) - 5) were cited in a search report by a foreign Patent Office in a patent application corresponding to the above-identified patent application. A copy of this Japanese search report, which indicates the degree of relevance found by the foreign office, is transmitted herewith.

This Information Disclosure Statement is being filed concurrently with the above-

referenced application.

espectfully submitted,

Lawrence E. Ashery, Reg. No. 34,515 Attorney for Applicants

LEA/dmw

Enclosures: PTO Form 1449

(11) References

Dated: March 7, 2005

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Valley Forge, PA 19482

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The Commissioner for Patents is hereby authorized to charge payment to Deposit Account No. 18-0350 of any fees associated with this communication.

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I hereby certify that this paper and fee are being deposited, under 37 C.F.R. § 1.10 and with sufficient postage, using the "Express Mail Post Office to Addressee" service of the United States Postal Service on the date indicated above and that the deposit is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Kathleen Libby

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(AW 08/03)

Substitute for Form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

SHEET 1 of 2

Complete if Known				
Application Number	To Be Assigned	10/526999		
Filing Date	Herewith			
First Named Inventor	Yuichiro Sasaki, et a	l		
Art Unit	To Be Assigned			
Examiner Name	To Be Assigned			
Attorney Docket No.	MAT-8675US			

U.S. PATENT DOCUMENTS					
	Cite No.1	Document Number		Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)	Publication Date (MM-DD-YYYY)		
		US-5,851,906	12/22/1998	MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.	
		US-5,387,545	02/07/1995	HITACHI, LTD.	
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ^{5 (If known)}	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	16
		JP 09-007962 A (with English Abstract)	01/10/1997	HITACHI LTD		
		JP 08-172214 A (with English Abstract)	07/02/1996	SEIKO INSTR INC		
		JP 09-283456 A (with English Abstract)	10/31/1997	NIPPON TELEGR & TELEPH CORP <ntt></ntt>		
		JP 11-204450 A (with English Abstract)	07/30/1999	HITACHI LTD		
·		EP 0 430 168 A2	06/05/1991	SEIKO INSTRUMENTS INC		
•••		JP 10-135244 A (with English Abstract)	05/22/1998	FUJITSU LTD		

Examiner	Date	
Signature	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

¹Applicant's unique citation designation number (optional).
²See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

³Enter Office that issued the document, by the two-letter code (WIPO Standard St.3).

For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

Skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

Applicant is to place a check mark here if English language translation is attached.

The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



(AW 08/03)

Substitute for Form 1449B/PTO	Complete if Known		
	Application Number	To Be Assigned 10 / 526 9 9 9	
INFORMATION DISCLOSURE	Filing Date	Herewith	
STATEMENT BY APPLICANT	First Named Inventor	Yuichiro Sasaki, et al.	
(Use as many sheets as necessary)	Art Unit	To Be Assigned	
	Examiner Name	To Be Assigned	
SHEET 2 of 2	Attorney Docket No.	MAT-8675US	

		NON-PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		Japanese Search Report for PCT/JP03/12001, dated November 17, 2004.	
		D. LENOBLE, ET AL., "Reliable and enhanced performances of sub-0.1 µm pMOSFETs doped by low biased Plasma Doping", 2000 Symposium on VLSI Technology Digest of Technical Papers, pages 110-111.	
•		YUKIHIRO KIYOTA, "Surface Reaction Doping using Gas Source for Ultra Shallow Junctions", Japan Society of Applied Physics, pages 19 through 22.	
		YUKIHIRO KIYOTA, ET AL., "Role of hydrogen during rapid vapor-phase doping analyzed by x-ray photoelectron spectroscopy and Fourier-transform infrared-attenuated total reflection", pages 1-5, J. Vac. Sci. Technol. A 16(1) Jan/Feb 1998, American Vacuum Society.	
			
	ı		
Examiner Signature		Date Considered	

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